

IN THE SPECIFICATION

Please amend the Abstract as follows:

Abstract

~~Disclosed is a~~ detecting device for hit determination by detecting a light shot from a transmitter. ~~The detecting device according to the invention comprises~~includes a plurality of detecting elements. ~~Each detecting element includes~~which include an optical detector cell ~~of a planar shape~~ for generating an electric signal when detecting a light, a protection case ~~of a cylindrical shape~~ for supporting the optical detector cell housed inside thereof, a set of lead wires, ~~each of which being~~ electrically connected to an anode electrode and a cathode electrode of the optical detector cell for supplying the electric signal generated from the optical detector cell to hit determination means, and a protection shield located on a front light detecting surface of the optical detector cell for protecting the optical detector cell from external environment and passing the light. ~~The protection case of a cylindrical shape has an open front surface.~~ The optical detector cell ~~of a planar shape~~ has a light detecting front surface adjacent to the open front surface of the protection case, and a rear surface supported by a packing material packed inside of the protection case. ~~The set of lead wires is elongated from the rear surface of the optical detector cell and protected by the packing material.~~